

**APPENDIX A**  
**FOR**  
**UNITED STATES LETTERS PATENT**

**TITLE:** **MANAGING A VIRTUAL PRIVATE NETWORK**

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**8 PAGES**

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Alison Brazil  
Alison Brazil

```
// Configuration file generated by Optivity NETconfigurator
// Version: V2R0M1064B1998-9-15-12-28
// Timestamp: 02-Apr-99 12:44:53 PM
// User: Administrator
// Support: http://www.baynetworks.com/
Error=Error
call omset using {"DNS.DomainName=nortel.com"}
call omset using {"DNS.PrimaryDNSServer=10.10.10.20"}
call omset using {"DNS.SecondaryDNSServer=30.30.30.30"}
call omset using {"DNS.TertiaryDNSServer=40.40.40.40"}
call omset using {"Security.TrustedL2FEnabled=TRUE"}
call omset using {"Security.TrustedL2TPEEnabled=TRUE"}
call omset using {"Security.UntrustedL2FEnabled=TRUE"}
call omset using {"Security.UntrustedL2TPEEnabled=TRUE"}
call omset using {"Security.AllowTunnelToTunnel=TRUE"}
call omset using {"Security.AllowClientToBranch=TRUE"}
call omset using {"Security.AllowBranchToBranch=TRUE"}
call omset using {"Flash.AdminUid=admin2"}
call omset using {"Flash.AdminPassword=password"}
call omset using {"DirBackup.PrimaryZEnabled=enabled"}
call omset using {"DirBackup.PrimaryHost=141.251.69.22"}
call omset using {"DirBackup.PrimaryPath=/tmp"}
call omset using {"DirBackup.PrimaryInterval=480"}
call omset using {"DirBackup.PrimaryUsername=sam"}
call omset using {"DirBackup.PrimaryPassword=sam"}
call omset using {"DirBackup.SecondaryZEnabled=enabled"}
call omset using {"DirBackup.SecondaryHost=192.168.204.35"}
call omset using {"DirBackup.SecondaryPath=/tmp/backupt"}
call omset using {"DirBackup.SecondaryInterval=240"}
call omset using {"DirBackup.SecondaryUsername=junk"}
call omset using {"DirBackup.SecondaryPassword=admin"}
call omset using {"DirBackup.TertiaryZEnabled=enabled"}
call omset using {"DirBackup.TertiaryHost=backup"}
call omset using {"DirBackup.TertiaryPath=/backup"}
call omset using {"DirBackup.TertiaryInterval=420"}
call omset using {"DirBackup.TertiaryUsername=user"}
call omset using {"DirBackup.TertiaryPassword=user"}
call omset using {"DbRadiusAuthServers.Enabled=FALSE"}
call omset using {"AddressAcquisition.AcquisitionType=DHCP"}
Error = ""
call omset using {"AddressAcquisition.DHCPTType=Unicast"}
call omset using {"DhcpServer[0].ServerAddress=21.21.21.30"}
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call omset using {"DhcpServer[1].ServerAddress=15.15.15.60"}
call omset using {"DhcpServer[2].ServerAddress=60.60.32.32"}
prev = call omget using {"LdapConfig.useRemote"}
if (prev == "TRUE") then using
{
call omset using {"LdapConfig.useRemote=FALSE"}
call omset using {"LdapConfig.UpdateNow=TRUE"}
}
running = call omget using {"Slapd.IsRunning"}
if ( running == "TRUE" ) then using {}
else using {
call omset using {"Slapd.Start=TRUE"}
}
keyLocalAuthServer = call omfirst using {"DbLocalAuthServers.LocalAuthServer"}
call omset using
{"DbLocalAuthServers.LocalAuthServer["keyLocalAuthServer"].stripUidsuffix=TRUE"}
call omset using
{"DbLocalAuthServers.LocalAuthServer["keyLocalAuthServer"].UidsuffixDelimiter=@"}
}
prev = call omget using {"LdapConfig.useRemote"}
if (prev == "FALSE") then using
{
call omset using {"LdapConfig.useRemote=TRUE"}
call omset using {"LdapConfig.UpdateNow=TRUE"}
}
keyLocalAuthServer= call omfirst using {"DbLocalAuthServers.LocalAuthServer"}
call omset using
{"DbLocalAuthServers.LocalAuthServer["keyLocalAuthServer"].stripUidsuffix=TRUE"}
call omset using
{"DbLocalAuthServers.LocalAuthServer["keyLocalAuthServer"].UidsuffixDelimiter=@"}
}
call omset using {"LdapProfileServer[0].Host=12.12.12.23"}
call omset using {"LdapProfileServer[0].UseSSL=FALSE"}
call omset using {"LdapProfileServer[0].Port=100"}
call omset using {"Interface[257].Desc=micemen"}
call omset using {"Interface[257].Enabled=FALSE"}
call omset using {"Interface[257].Public=TRUE"}

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call omdestroy using {"IpIntf[20.20.20.20]"}
thekey = "10.25.25.63"
call omvalid using {"IpIntf["thekey"].DevLoc=215"}
if (Error != "") then using
{
    call omcreate using {"IpIntf["thekey"]}
call omset using {"IpIntf["thekey"].Devloc=257"}
    Error = ""
}
call omset using {"IpIntf["thekey"].Subnet=255.255.255.0"}
call omset using {"Interface[257].DefaultGateway=10.25.25.1"}
realIpsecBaseAccount = "IPSEC, -"
groupKey = call omfirst using {"DbGroups.Group"}
svRadKey = call omfirst using {"DbRADIUSAuthServers.RADIUSAuthServ
er"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultAuthMetho
dSHARED_SECRET=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultAuthMetho
dCERTIFICATE_RSA=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultAuthMetho
dAXENT=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultAuthMetho
dSECURID=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultAuthMetho
dPAP=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultEncryptio
n3DES_MD5=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultEncryptio
nDES_MD5=TRUE"}
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call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultEncryptio
nDES_40=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultEncryptio
nHMAC_SHA=TRUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["realIpsecBaseAccount"].De
faultEncryptio
nHMAC_MD5=TRUE"}
strPPTPKey = "PPTP, -"
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strPPTPKey"].DefaultEncry
ptionNone=TRUE
"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strPPTPKey"].DefaultEncry
ptionRC4_128=T
RUE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strPPTPKey"].DefaultEncry
ptionRC4_40=TR
UE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strPPTPKey"].DefaultAuthM
ethodChap=TRUE
"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strPPTPKey"].DefaultAuthM
ethodPAP=TRUE"
}
strL2TPKey = "L2TP, -"
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strL2TPKey"].DefaultEncry
ptionNone=TRUE
"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strL2TPKey"].DefaultEncry
ptionRC4_128=F
ALSE"}
call omset using

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{"Dbgroups.Group[ROOT].Accounts.Account["strL2TPKey"].DefaultEncry
ptionRC4_40=FA
LSE"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strL2TPKey"].DefaultAuthM
ethodChap=TRUE
"}
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strL2TPKey"].DefaultAuthM
ethodPAP=TRUE"
}
strL2FKey = "L2F,-"
call omset using
{"Dbgroups.Group[ROOT].Accounts.Account["strL2FKey"].DefaultAuthMe
thodPAP=TRUE"}
call omdestroy using {"TrapHost[141.251.69.22]"}
call omcreate using {"TrapHost[100.100.100.90]"}
call omset using {"TrapHost[100.100.100.90].Enabled=TRUE"}
call omset using {"TrapHost[100.100.100.90].community=public"}
call omdestroy using {"TrapHost[192.168.204.12]"}
call omcreate using {"TrapHost[100.200.200.10]"}
call omset using {"TrapHost[100.200.200.10].Enabled=TRUE"}
call omset using {"TrapHost[100.200.200.10].community=private"}
call omdestroy using {"TrapHost[0.0.0.0]"}
call omcreate using {"TrapHost[100.100.30.33]"}
call omset using {"TrapHost[100.100.30.33].Enabled=TRUE"}
call omset using {"TrapHost[100.100.30.33].community=public"}
call omset using {"Script[HEALTH1.NOS].RepeatCount=0"}
call omset using {"Script[HEALTH1.NOS].Interval=00:05:00"}
call omset using {"Script[HEALTH2.NOS].RepeatCount=0"}
call omset using {"Script[HEALTH2.NOS].Interval=00:02:00"}
call omset using {"Script[HEARTBT.NOS].RepeatCount=0"}
call omset using {"Script[HEARTBT.NOS].Interval=01:00:00"}
call omset using {"Script[HWHEALTH.NOS].RepeatCount=0"}
call omset using {"Script[HWHEALTH.NOS].Interval=00:02:00"}
call omset using {"Script[INTRUDE.NOS].RepeatCount=0"}
call omset using {"Script[INTRUDE.NOS].Interval=00:05:00"}
call omset using {"Script[LOGIN.NOS].RepeatCount=0"}
call omset using {"Script[LOGIN.NOS].Interval=00:05:00"}
call omset using {"Script[POWERUP.NOS].RepeatCount=0"}
call omset using {"Script[POWERUP.NOS].Interval=23:59:59"}
call omset using {"Script[HEALTH1.NOS].RepeatCount=1"}
call omset using {"Script[HEALTH1.NOS].Interval=00:05:00"}

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call omset using {"Script[HEALTH2.NOS].RepeatCount=1"}
call omset using {"Script[HEALTH2.NOS].Interval=00:02:00"}
call omset using {"Script[HEARTBT.NOS].RepeatCount=1"}
call omset using {"Script[HEARTBT.NOS].Interval=01:00:00"}
call omset using {"Script[HWHEALTH.NOS].RepeatCount=1"}
call omset using {"Script[HWHEALTH.NOS].Interval=00:02:00"}
call omset using {"Script[INTRUDE.NOS].RepeatCount=1"}
call omset using {"Script[INTRUDE.NOS].Interval=00:05:00"}
call omset using {"Script[LOGIN.NOS].RepeatCount=1"}
call omset using {"Script[LOGIN.NOS].Interval=00:05:00"}
call omset using {"Script[POWERUP.NOS].RepeatCount=1"}
call omset using {"Script[POWERUP.NOS].Interval=23:59:59"}
thekey = "141.251.69.69"
call omvalid using {"IpIntf[141.251.69.69].Subnet=99.99.99.99"}
if (Error != "") then using
{
    call omcreate using {"IpIntf[141.251.69.69]"}
    Error = ""
}
call omset using {"IpIntf[141.251.69.69].DevLoc=256"}
call omset using {"IpIntf[141.251.69.69].IpAddr=141.251.69.69"}
call omset using {"IpIntf[141.251.69.69].Subnet=255.255.255.0"}
call omset using {"Interface[256].Desc=maestro"}
accsrvkey = call omfirst using {"DbRadiusAcctServers.RadiusAcctServer"}
if (accsrvkey == "") then using
{
    BaseDn = call omget using {"LdapConfig.BaseName"}
    if ( Error == "" ) then using
    {
        accsrvkey="cn=acct1, ou=radius, ou=accounting servers, "+BaseDn
        call omcreate using
        {"DbRadiusAcctServers.RadiusAcctServer["accsrvkey"]}
        if ( Error == "" ) then using
        {
            accsrvkey=call omfirst using
            {"DbRadiusAcctServers.RadiusAcctServer"}
        }
    }
}
call omset using
{"DbGroups.Group[root].Accounts.Account[General,-].AcctUpdateFreq="

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01:01:00"}
call omset using
{"DbRadiusAcctServers.RadiusAcctServer["accsrvkey"].Host=132.132.1
32.10"}
call omset using
{"DbRadiusAcctServers.RadiusAcctServer["accsrvkey"].HostPort=1856"
}
call omset using
{"DbRadiusAcctServers.RadiusAcctServer["accsrvkey"].HostPassword=p
assword"}
NumEntries = call omget using {"DbRadiusAuthServers.NumEntries"}
svAuthKey = call omfirst using {"DbRadiusAuthServers.RadiusAuthSer
ver"}
if (svAuthKey == "") then using
{
    Error = ""
    BaseDn = call omget using {"LdapConfig.BaseName"}
    svAuthKey="cn=radius1, ou=Radius, ou=Authentication Server
s,"+BaseDn
    call omcreate using
{"DbRadiusAuthServers.RadiusAuthServer["svAuthKey"]}
}
call omset using {"DbRadiusAuthServers.Enabled=TRUE"}
call omset using
{"DbRadiusAuthServers.RadiusAuthServer["svAuthKey"].PrimaryHostEna
bled=TRUE"}
call omset using
{"DbRadiusAuthServers.RadiusAuthServer["svAuthKey"].PrimaryHost=20
.20.20.10"}
call omset using {"IpxIntfOmCls.IPXPublicAddress=4F1A3BC2"}
call omvalid using {"PppIntf[515].LocalIpAddress=123.123.123.123"}
if (Error != "") then using
{
    call omcreate using {"PppIntf[515]"}
    Error = ""
}
call omset using {"PppIntf[515].LocalIpAddress=36.35.89.90"}
call omset using {"PppIntf[515].Description=slot3interface2"}
call omset using {"Interface[515].Enabled=FALSE"}
call omset using {"PppIntf[515].IpcpAcceptRemote=FALSE"}
call omvalid using {"PppIntf[259].LocalIpAddress=123.123.123.123"}
if (Error != "") then using
{

```



```
call omcreate using {"PppIntf[259]"}
Error = ""
}
call omset using {"PppIntf[259].LocalIpAddress=15.65.89.20"}
call omset using {"PppIntf[259].Description=slot3interfface1"}
call omset using {"Interface[259].Enabled=FALSE"}
call omset using {"PppIntf[259].IpcpAcceptRemote=TRUE"}
call omset using {"PppIntf[259].PeerIpAddress=0.0.0.0"}
```